3Com® Transceivers

DATA SHEET

Standards-based flexible Ethernet connections

OVERVIEW

3Com® transceivers are industry-standard, hot-swappable devices that plug into a Fast, Gigabit, or 10-Gigabit Ethernet transceiver slot, linking it with a fiber- or copper-based network.

KEY BENEFITS

ADD CONNECTIONS AS NEEDED

Mix different media types of transceivers on a single switch; add connections, in the number and type, as needed (within limits of the applicable switch).

LEVERAGE INTEROPERABLE ARCHITECTURE

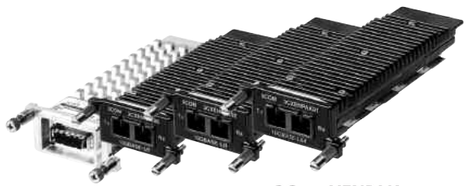
Compliant with IEEE standards, 3Com transceivers provide full interoperability when connected to other standards-based products.

ADAPT WITH VARIETY OF FORM FACTORS

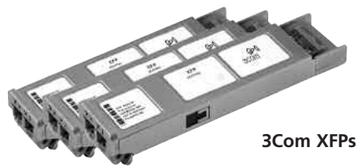
3Com transceivers are available in different form factors: XENPAK, XFP, SFP, and GBIC.

EASILY SERVICE AND SWAP HARDWARE

Transceivers can be hot-swapped, reducing maintenance and upgrading costs and network downtime. No need to replace entire circuit boards containing several soldered-in modules.

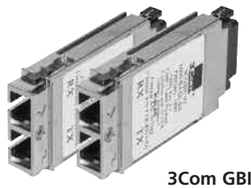


3Com XENPAKs



3Com XFPs

3Com SFPs



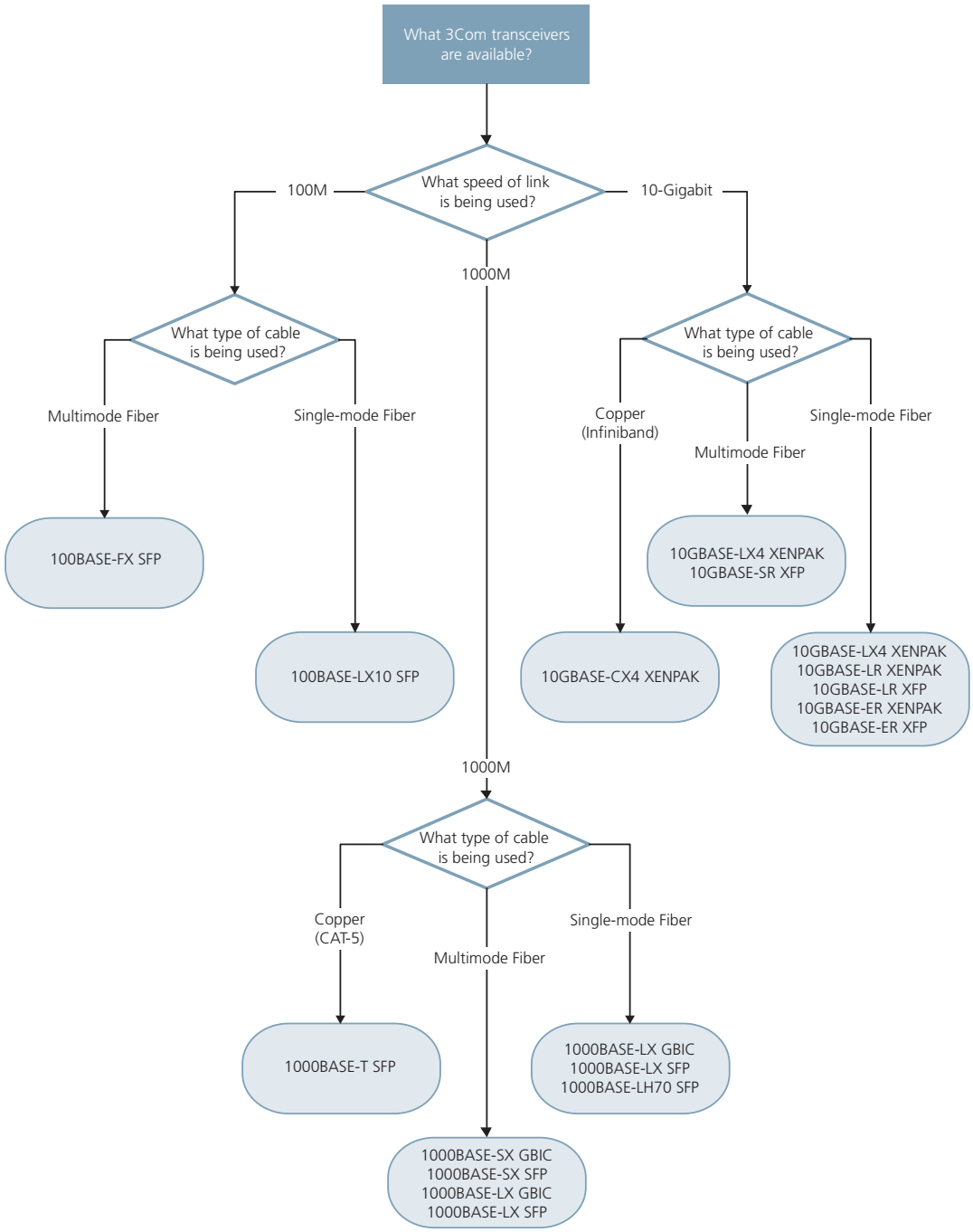
3Com GBICs

SUPPORTED 3COM SWITCHES AND MODULES

		XENPAKs				XFPs			1000 Mbps SFPs				100 Mbps SFPs		GBICs	
3Com Switch Family Supported		3CXENPAK91	3CXENPAK92	3CXENPAK95	3CXENPAK96	3CXFP92	3CXFP94	3CXFP96	3CSFP91	3CSFP92	3CSFP93	3CSFP97	3CSFP81†	3CSFP82†	3CGBIC91	3CGBIC92
Device Type	Supported Product Name and Ordering Number															
3Com Switch 8800																
Module	3Com Switch 8800 1-Port 10GBASE-X (3C17511) and Advanced (3C17525) Modules		✓		✓											
Module	3Com Switch 8800 2-Port 10GBASE-X (3C17512) and Advanced (3C17527) Modules					✓	✓	✓								
Module	3Com Switch 8800 12-port 1000BASE-X (3C17513) Module								✓	✓	✓	✓				
Module	3Com Switch 8800 24-port 1000BASE-X (3C17514) and Advanced (3C17530) Modules								✓	✓	✓	✓				
Module	3Com Switch 8800 4-Port 10GBASE-X (3C17526) Module					✓	✓	✓								
3Com Switch 7750																
Module	3Com Switch 7750/7700 20-port 1000BASE-X Module (3C16862A)								✓	✓	✓	✓				
Module	3Com Switch 7750/7700 1-Port 10GBASE-X Module (3C16875A)		✓		✓											
Module	3Com Switch 7750/7700 48-Port 100BASE-FX SFP Module (3C168915)												✓			
Module	3Com Switch 7750/7700 12-Port 10/100/1000BASE-T & 4-Port 1000BASE-X SFP Module (3C168916)								✓	✓	✓	✓				
Module	3Com Switch 7750/7700 4-Port 10/100/1000BASE-T & 12-Port 1000BASE-X SFP Module (3C168917)								✓	✓	✓	✓				
Module	3Com Switch 7750/7700 96 Gbps Fabric (3C16886) Module								✓	✓	✓	✓				
3Com Switch 5500 and 5500G																
Switch	3Com Switch 5500-SI (all), 5500-EI (all but FX), 5500G-EI (all)								✓	✓	✓	✓				
Switch	3Com Switch 5500-EI 28-Port FX								✓	✓	✓	✓	✓	✓		
Module	3Com Switch 5500G 8-Port SFP Module (3C17260)								✓	✓	✓	✓				
Module	3Com Switch 5500G 1-Port 10G Module (3C17261)	✓	✓	✓	✓											
Module	3Com Switch 5500G 2-Port 10G Module (3C17268)					✓	✓	✓								
3Com Switch 4500																
Switch	3Com Switch 4500 (all)								✓	✓	✓	✓				
3Com Switch 4200																
Switch	3Com Switch 4200 28-Port (3C17304A)								✓	✓	✓	✓				
3Com Switch 3800 and 3870																
Switch	3Com Switch 3800, all models								✓	✓		✓				
Module	3Com Switch 3870 1-Port 10GBASE-X Module (3C17461)	✓	✓	✓	✓											
3Com Baseline Plus Switches																
Switch	3Com Baseline Plus Switches, all models								✓	✓						
3Com OfficeConnect Switch																
Switch	3Com OfficeConnect Managed Switch 9 FX (3CR16709-91)								✓	✓						
3Com Wireless LAN Switch																
Switch	3Com Wireless LAN Controller WX4400 (3CRWX440095A)														✓	✓

†100 Mbps SFP transceivers are for use only in the 100 Mbps ports of the indicated devices; they cannot be used in any 1000 Mbps Gigabit ports.

TRANSCEIVER FINDER



Specifications

3Com Transceiver Name	Ordering Number	Cable Type	Core Size (microns)	Modal Bandwidth (MHz - Km)	Transmission Range	Optical Power Range (dBm)			
						Wavelength (nm)	Output	Input	Connector
XENPAKs									
3Com 10GBASE-LR XENPAK	3CXENPAK92	SMF	9	–	2 m – 10 km (6.6 ft – 6 mi)	1,300	-8.2 to 0.5	-14.4 to 0.5	SC
3Com 10GBASE-ER XENPAK	3CXENPAK96	SMF	9	–	2 m – 40 km (6.6 ft – 25 mi)	1,550	-4.7 to 4	-15.8 to -1	SC
3Com 10GBASE-CX4 XENPAK	3CXENPAK95	Infiniband	–	–	1 – 15 m (3.3 – 49.5 ft)	–	–	–	Infiniband 4x
3Com 10GBASE-LX4 XENPAK	3CXENPAK91	MMF	62.5	500	2 – 300 m (6.6 – 984 ft)	1,300	5.5 (max)	-14.25 to 5.5	SC
		MMF	50	400	2 – 400 m (6.6 – 1,312 ft)				
		MMF	50	500	2 – 300 m (6.6 – 984 ft)				
		SMF	9	–	2 m – 10 km (6.6 ft – 6 mi)	1,300	5.5 (max)	-14.45 to 5.5	SC
XFPs									
3Com 10GBASE-LR XFP	3CXFP92	SMF	9	–	2 m – 10 km (6.6 ft – 6 mi)	1,300	-8.2 to 0.5	-14.4 to 0.5	LC
3Com 10GBASE-SR XFP	3CXFP94	MMF	62.5	160	0.5 – 26 m (1.7 – 85 ft)	850	-4.0 to -1.1	-9.9 to -1.0	LC
		MMF	62.5	200	0.5 – 33 m (1.7 – 108 ft)				
		MMF	50	400	0.5 – 66 m (1.7 – 217 ft)				
		MMF	50	500	0.5 – 100 m (1.7 – 328 ft)				
		MMF	50	2,000	0.5 – 300 m (1.7 – 984 ft)				
3Com 10GBASE-ER XFP	3CXFP96	SMF	9	–	2 m – 40 km (6.6 ft – 25 mi)	1,550	-4.7 to 4	-15.8 to -1	LC
1000 Mbps SFPs									
3Com 1000BASE-SX SFP	3CSFP91	MMF	62.5	160	2 – 220 m (6.6 – 721 ft)	850	-9.5 to 0	-17 to 0	LC
		MMF	62.5	200	2 – 275 m (6.6 – 902 ft)				
		MMF	50	400	2 – 500 m (6.6 – 1,640 ft)				
		MMF	50	500	2 – 550 m (6.6 – 1,804 ft)				
3Com 1000BASE-LX SFP	3CSFP92	MMF	62.5	500	2 – 550 m (6.6 – 1,804 ft)	1,300	-9.5 to -3	-20 to -3	LC
		MMF	50	400	2 – 550 m (6.6 – 1,804 ft)				
		MMF	50	500	2 – 550 m (6.6 – 1,804 ft)				
		SMF	9	–	2 m – 10 km (6.6 ft – 6 mi)				
3Com 1000BASE-LH70 SFP	3CSFP97	SMF	9	–	2 m – 70 km (6.6 ft – 43 mi)†	1,550	0 to 3	-24 to -3	LC
3Com 1000BASE-T SFP	3CSFP93	CAT5	–	–	100 m (328 ft)	–	–	–	RJ-45
100 Mbps SFPs									
3Com 100BASE-FX SFP	3CSFP81	MMF	62.5	500	2 m – 2 km (6.6 ft – 1.2 mi)	1,300	-19 to -14	-31	LC
		MMF	50	400	2 m – 2 km (6.6 ft – 1.2 mi)				
		MMF	50	500	2 m – 2 km (6.6 ft – 1.2 mi)				
3Com 100BASE-LX10 SFP	3CSFP82	SMF	9	–	2 m – 10 km (6.6 ft – 6 mi)	1,300	-15 to -8	-25 to -8	LC
GBICs									
3Com 1000BASE-SX GBIC	3CGBIC91	MMF	62.5	160	2 – 220 m (6.6 – 721 ft)	850	-10 to -4	-17 to 0	SC
		MMF	62.5	200	2 – 275 m (6.6 – 902 ft)				
		MMF	50	400	2 – 500 m (6.6 – 1,640 ft)				
		MMF	50	500	2 – 550 m (6.6 – 1,804 ft)				
3Com 1000BASE-LX GBIC	3CGBIC92	MMF	62.5	500	2 – 550 m (6.6 – 1,804 ft)	1,300	-14 to -3	-20 to -3	SC
		MMF	50	400	2 – 550 m (6.6 – 1,804 ft)				
		MMF	50	500	2 – 550 m (6.6 – 1,804 ft)				
		MMF	9	–	2 m – 10 km (6.6 ft – 6 mi)				

One Year Limited Warranty.

ORDERING INFORMATION

PRODUCT DESCRIPTION	3COM SKU
XENPAKs	
3Com 10GBASE-LX4 XENPAK	3CXENPAK91
3Com 10GBASE-LR XENPAK	3CXENPAK92
3Com 10GBASE-CX4 XENPAK	3CXENPAK95
3Com 10GBASE-ER XENPAK	3CXENPAK96
XFPs	
3Com 10GBASE-LR XFP	3CXFP92
3Com 10GBASE-SR XFP	3CXFP94
3Com 10GBASE-ER XFP	3CXFP96

PRODUCT DESCRIPTION	3COM SKU
1000 Mbps SFPs	
3Com 1000BASE-SX SFP	3CSFP91
3Com 1000BASE-LX SFP	3CSFP92
3Com 1000BASE-T SFP	3CSFP93
3Com 1000BASE-LH70 (70km) SFP	3CSFP97
100 Mbps SFPs	
3Com 100BASE-FX SFP	3CSFP81
3Com 100BASE-LX10 SFP	3CSFP82
GBICs	
3Com 1000BASE-SX GBIC	3CGBIC91
3Com 1000BASE-LX GBIC	3CGBIC92

3Com

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